

PATENT
Docket No. 10164-1H17/0
9/13/01
KGA

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:)

Arthur W. Chester et al.)

Serial No. 09/351,147)

Examiner: Walter D. Griffin

Filed: July 12, 1999)

Group Art Unit: 1764

For: CATALYTIC PRODUCTION OF LIGHT)
OLEFINS FROM NAPHTHA FEED)

AMENDMENT UNDER 37 C.F.R. §1.111

Commissioner for Patents
Washington, D.C. 20231RECEIVED
SEP 10 2001
TC 1700

Sir:

In response to the Office Action mailed June 11, 2001, please amend the application as follows and consider the ensuing remarks.

IN THE CLAIMS:

Please amend the claims as follows:

1. (Three times amended) A process for converting a C₄+ naphtha hydrocarbon feed to a product which includes light olefins and aromatics, comprising:

01 contacting said feed with a catalyst comprising ZSM-5, ZSM-11 or combinations thereof treated with a phosphorus-containing compound, and a substantially inert matrix material, wherein said catalyst contains less than 20 wt% of active matrix material and has an initial silica/alumina molar ratio less than about 70, said contacting being effected under conditions to produce a product containing light olefins and aromatics.